

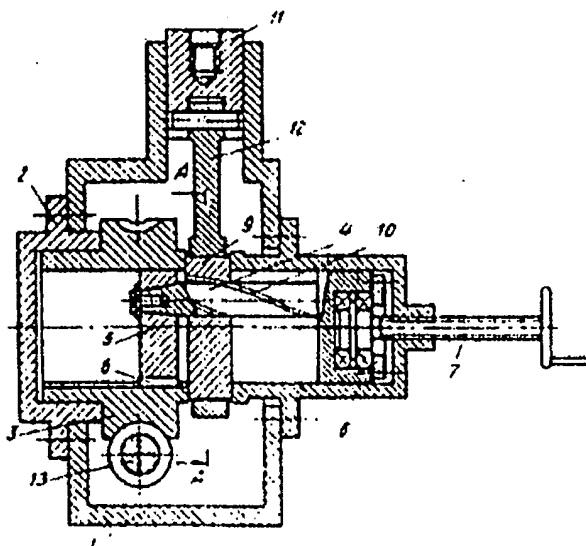
★ HYDR = Q56 Q62 93-376154/47 ★ SU 1775007-A8
 Metering pump regulated drive - has driving disc fixed in axial
 recess of worm wheel and connected to crank, mating with eccentric
 sleeve

HYDRAULIC EQUIP CONS TECHN INST 90.10.01 90SU-487007
 H01 (92.11.07) F04B 49/00, F16C 3/28

The drive shaft comprising a disc (5) with key (6) is fitted in axial
 recess of the worm wheel (3). A cylindrical crank (4) has one end
 fitted excentrically into the disc (5), another one in regulating unit
 (7) and mates with excentric sleeve (9) by means of screw joint (10)
 with one or more parallel threads. Length of the joint is such as to
 ensure rotation of the sleeve (9) from 0 to 180 deg.

ADVANTAGE - The piston pump has simple design and
 requires less metal.

The crank (4) is turned by the worm (13) through the worm
 wheel (3) and disc (5). The crank (4) is moved from the extreme
 right position, corresp. excentricity of zero deg., by turning the
 wheel (7). During the operation the crank (4) turns around its axis
 the excentric sleeve (9) and simultaneously moves to the left. When
 the crank (4) is in its extreme left position the sleeve (9) has turned
 through 180 deg. the excentricity, length of stroke of the slider (11)
 and of the connecting rod (12) increase from nil to max.
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